

Abstract

Method for controlling an internal combustion engine

- 5 An internal combustion engine has a camshaft whose phase can be adjusted with respect to a crankshaft by means of a setting mechanism. Also provided are a crankshaft sensor which senses the crankshaft angle (CRK) and a camshaft sensor which senses the camshaft angle (CAM). The method comprises the following steps:
- 10 A reference value (PH_AD) for the phase is adapted in a predefined position of the setting mechanism when a predefined condition is satisfied. A measurement value (PH_S) for the phase is determined depending on the sensed crankshaft angle (CRK) and camshaft angle (CAM). A corrected measurement value for the phase is determined
- 15 depending on the reference value (PH_AD) and the measurement value (PH_S) for the phase. A control signal for controlling the internal combustion engine is determined depending on the corrected measurement value.

20 Figure 5